L Number	Hits	Search Text	DB	Time stamp
1	4	"2367148"	EPO; JPO; DERWENT	2004/07/26 07:57
-	134	thrust$3 near9 riser	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 05:52
-	1885	thrust$3 and 405/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 13:09
-	9510	thruster and 114/$ or 441/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 13:10
-	432	thruster and (114/$ or 441/$).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 13:20
-	2	"20020168232"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 13:23
-	2	"20020182014"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 13:25
-	2	"20010026733"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 13:30
-	2	"6551029"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 13:42
-	1072	brown and neal	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 13:42
-	92	brown.in. and neal	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 13:46
-	3	grinius.in. and victor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 13:51
-	7	grinius.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 13:49
-	44	shaar.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 13:49
-	26556	fischer.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 13:52
-	47	fischer.in. and ferdinand	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 14:29
-	1	("6148751").PN.	USPAT	2004/02/05 14:30
-	1	("6551029").PN.	USPAT	2004/02/05 14:37
-	1	("3894504").PN.	USPAT	2004/02/05 14:38

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-	1	("3762352").PN.	USPAT	2004/02/05 21:55
-	2	(("3614032") or ("3763810")).PN.	USPAT	2004/02/05 14:42
-	1	("4300855").PN.	USPAT	2004/02/05 15:14
-	16	oreilly and 405/$.ccls.	USPAT	2004/02/05 16:37
-	1	("4089287").PN.	USPAT	2004/02/05 16:40
-	5	(("3327668") or ("3508512") or ("3844242") or ("3965840") or ("6148751")).PN.	USPAT	2004/02/05 16:41
-	1	("4474129").PN.	USPAT	2004/02/05 16:49
-	6	"180244"	EPO; JPO; DERWENT	2004/02/05 16:53
-	2	(("4576516") or ("3996755")).PN.	USPAT	2004/02/05 16:54
-	94932	(405/$ or 114/$ or 441/$).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/06 00:57
-	4455	((405/$ or 114/$ or 441/$).ccls.) and (thruster or propulsion)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 16:57
-	92	riser same (thruster or propulsion)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 17:36
-	31	((405/$ or 114/$ or 441/$).ccls.) and (riser same (thruster or propulsion))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 16:57
-	33626	(405/$ or 114/$ or 441/$).ccls.	USOCR	2004/02/05 16:58
-	13	((405/$ or 114/$ or 441/$).ccls.) and (riser same (thruster or propulsion))	USOCR	2004/02/05 16:58
-	85	riser same (thruster or propulsion)	USOCR	2004/02/05 17:13
-	2	((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv')) same (thruster or propulsion)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 17:39
-	0	(((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv')) and (thruster or propulsion)) and ((405/$ or 114/$ or 441/$).ccls.)	USOCR	2004/02/05 17:39
-	5	(((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv')) and (thruster or propulsion)) and ((405/$ or 114/$ or 441/$).ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 17:40
-	6	((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv')) and (thruster or propulsion)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 17:40

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-	13	((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv')) and (thruster or propulsion)	USOCR	2004/02/05 17:47
-	10	((bucket or scoop) near4 air) same excavating	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 20:44
-	1654	vertical$2 near5 (thruster or propulsion)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 21:57
-	251	(vertical$2 near5 (thruster or propulsion)) and (405/$ or 114/$ or 441/$).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 21:56
-	203489	vertical$2 near5 (mov$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 21:57
-	37	((vertical$2 near5 (thruster or propulsion)) and (405/$ or 114/$ or 441/$).ccls.) and (vertical$2 near5 (mov$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 21:57
-	35	(("20030131777") or ("20020035957") or ("6551029") or ("6349664") or ("6148751") or ("6148751") or ("4089287") or ("3327668") or ("3965840") or ("3844242") or ("3508512") or ("3413946") or ("4174628") or ("6027286") or ("6644894") or ("20020035957") or ("3894504") or ("3762352")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/05 23:57
-	8	((("20030131777") or ("20020035957") or ("6551029") or ("6349664") or ("6148751") or ("6148751") or ("4089287") or ("3327668") or ("3965840") or ("3844242") or ("3508512") or ("3413946") or ("4174628") or ("6027286") or ("6644894") or ("20020035957") or ("3894504") or ("3762352")).PN.) and (rotate or rotatable or rotating)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/06 00:55
-	6	((("20030131777") or ("20020035957") or ("6551029") or ("6349664") or ("6148751") or ("6148751") or ("4089287") or ("3327668") or ("3965840") or ("3844242") or ("3508512") or ("3413946") or ("4174628") or ("6027286") or ("6644894") or ("20020035957") or ("3894504") or ("3762352")).PN.) and (helical)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/06 00:56
-	0	(thruster or propulsion) near4 heical	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/06 00:58
-	94932	(405/$ or 114/$ or 441/$).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/06 00:57
-	0	(thruster or propulsion) near9 heical	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/06 00:58
-	148	(thruster or propulsion) near9 helical	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/06 00:58

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-	11	((405/$ or 114/$ or 441/$).ccls.) and ((thruster or propulsion) near9 helical)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/06 01:00
-	382	fischer and ((405/$ or 114/$ or 441/$).ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/06 01:01
-	297	lee.in. and ((405/$ or 114/$ or 441/$).ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/06 01:02
-	407	shue.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/06 01:03
-	0	shue.in. and ((405/$ or 114/$ or 441/$).ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/06 01:03
-	6903	shu.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/06 01:03
-	0	(shue.in. and ((405/$ or 114/$ or 441/$).ccls.)) and ((405/$ or 114/$ or 441/$).ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/06 01:03
-	11	shu.in. and ((405/$ or 114/$ or 441/$).ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/02/06 01:03
-	17	("0039394" | "0179266" | "1818705" | "2663276" | "2998790" | "3342032" | "3628488" | "3710748" | "3717113" | "4078605" | "4286434" | "4656959" | "5875728" | "5984584" | "6148751" | "6196768" | "6349664").PN.	USPAT	2004/02/06 01:03
-	11	("2663276" | "2998790" | "3717113" | "4078605" | "4286434" | "4656959" | "5875728" | "5984584" | "6148751" | "6196768" | "6349664").PN.	USPAT	2004/02/06 01:04
-	11	("2663276" | "2998790" | "3717113" | "4078605" | "4286434" | "4656959" | "5875728" | "5984584" | "6148751" | "6196768" | "6349664").PN.	USPAT	2004/02/06 01:04
-	4	("2663276" | "3667239" | "5908217" | "6148751").PN.	USPAT	2004/02/06 01:05
-	2	(("4576516") or ("3996755")).PN.	USPAT	2004/02/07 16:24
-	1	("4474129").PN.	USPAT	2004/02/07 16:24
-	1	("4474129").PN.	USPAT	2004/07/23 17:26
-	2	thruster near3 riser	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 17:31
-	0	thruster near3 riser	USOCR	2004/07/23 17:31
-	3	propeller near3 riser	USOCR	2004/07/23 17:32
-	4	propeller near3 riser	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 19:10
-	9689	(thrust$3 or propul$4) near8 vertical$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 20:12

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-	13	((thrust$3 or propul$4) near8 vertical$3) same riser	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 19:11
-	1290	((thrust$3 or propul$4) near8 move$4) near6 vertical$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 19:58
-	827	((thrust$3 or propul$4) near5 move$4) near6 vertical$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 19:14
-	740	((thrust$3 or propul$4) near5 move$4) near4 vertical$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 19:14
-	419	((thrust$3 or propul$4) near3 move$4) near4 vertical$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 19:19
-	3312	((405/211-213) or (405/216) or (114/67a) or (114/67r) or (114/264-265) or (166/355)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 19:19
-	2	(((thrust$3 or propul$4) near3 move$4) near4 vertical$3) and (((405/211-213) or (405/216) or (114/67a) or (114/67r) or (114/264-265) or (166/355)).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 19:19
-	924	((405/211-213) or (405/216) or (114/67a) or (114/67r) or (114/264-265) or (166/355)).CCLS.	USOCR	2004/07/23 20:00
-	206	((thrust$3 or propul$4) near3 move$4) near4 vertical$3	USOCR	2004/07/23 19:19
-	1	(((405/211-213) or (405/216) or (114/67a) or (114/67r) or (114/264-265) or (166/355)).CCLS.) and (((thrust$3 or propul$4) near3 move$4) near4 vertical$3)	USOCR	2004/07/23 19:19
-	6848	(thrust$3 or propul$4) near8 vertical$3	USOCR	2004/07/23 19:21
-	23	(((405/211-213) or (405/216) or (114/67a) or (114/67r) or (114/264-265) or (166/355)).CCLS.) and ((thrust$3 or propul$4) near8 vertical$3)	USOCR	2004/07/23 19:21
	8	3553968.URPN.	USPAT	2004/07/23 19:25
-	49	((thrust$3 or propul$4) near8 vertical$3) and (((405/211-213) or (405/216) or (114/67a) or (114/67r) or (114/264-265) or (166/355)).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 19:35
-	6	(((thrust$3 or propul$4) near8 move$4) near6 vertical$3) and (((405/211-213) or (405/216) or (114/67a) or (114/67r) or (114/264-265) or (166/355)).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 19:59
-	205	(166/355).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 20:00
-	258964	thrust$3 or propul$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 20:01
-	30	((166/355).CCLS.) and (thrust$3 or propul$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 20:10
-	175	((166/355).CCLS.) not (((166/355).CCLS.) and (thrust$3 or propul$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 20:10

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–	72	((thrust$3 or propul$4) near4 (moveable or moving or move)) near5 (up and down)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 20:30
–	567	((thrust$3 or propul$4) near4 (moveable or moving or move)) near5 (along)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 20:35
–	34	(((thrust$3 or propul$4) near4 (moveable or moving or move)) near5 (along)) and (405/$ or 114/$ or 166/$).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 20:34
–	4	(((thrust$3 or propul$4) near4 (moveable or moving or move)) near5 (up and down)) near5 (along)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 20:36
–	18	("3111926" | "3360810" | "3535883" | "3580207" | "3602174" | "3712260" | "3778854" | "4170186" | "4280430" | "4576521" | "4604961" | "4666339" | "4702321" | "4797033" | "4802432" | "4906139" | "4936710" | "5706897").PN.	USPAT	2004/07/23 20:54
–	7	6027286.URPN.	USPAT	2004/07/23 21:00
–	0	20030131777.URPN.	USPAT	2004/07/23 21:11
–	2	("3273526" | "3673973").PN.	USPAT	2004/07/23 21:11
–	1	3762352.URPN.	USPAT	2004/07/23 21:11
–	6	("0837288" | "2735393" | "3311079" | "3508512" | "3509844" | "3730126").PN.	USPAT	2004/07/23 21:13
–	7	3965840.URPN.	USPAT	2004/07/23 21:14
–	7	3965840.URPN.	USPAT	2004/07/23 21:16
–	0	6551029.URPN.	USPAT	2004/07/23 21:17
–	0	6551029.URPN.	USPAT	2004/07/23 21:17
–	11	("2663276" | "2998790" | "3717113" | "4078605" | "4286434" | "4656959" | "5875728" | "5984584" | "6148751" | "6196768" | "6349664").PN.	USPAT	2004/07/23 21:17
–	5	6148751.URPN.	USPAT	2004/07/23 21:20
–	3	("2663276" | "3667239" | "5908217").PN.	USPAT	2004/07/23 21:21
–	2	6349664.URPN.	USPAT	2004/07/23 21:22
–	4	("2663276" | "3667239" | "5908217" | "6148751").PN.	USPAT	2004/07/23 21:22
–	5	6148751.URPN.	USPAT	2004/07/23 21:22
–	6	4089287.URPN.	USPAT	2004/07/23 21:22
–	3	("3844242" | "3965840" | "3987744").PN.	USPAT	2004/07/23 21:23
–	7	3327668.URPN.	USPAT	2004/07/23 21:25
–	8	3413946.URPN.	USPAT	2004/07/23 21:25
–	8	3553968.URPN.	USPAT	2004/07/23 21:27
–	1120	((405/211-213) or (405/216)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/23 21:30

–	50	(("6027286") or ("3762352") or ("3894504") or ("20030131777") or ("20020035957") or ("6551029") or ("6349664") or ("3965840") or ("6148751") or ("6148751") or ("4089287") or ("3327668") or ("3508512") or ("3844242") or ("4174628") or ("3553968") or ("3413946") or ("20020035957") or ("6644894") or ("5017165") or ("4204656") or ("2101282")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 05:54
–	39368	riser	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 05:54
–	12	((("6027286") or ("3762352") or ("3894504") or ("20030131777") or ("20020035957") or ("6551029") or ("6349664") or ("3965840") or ("6148751") or ("6148751") or ("4089287") or ("3327668") or ("3508512") or ("3844242") or ("4174628") or ("3553968") or ("3413946") or ("20020035957") or ("6644894") or ("5017165") or ("4204656") or ("2101282")).PN.) and riser	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 06:01
–	7989	thruster	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 06:01
–	16	((166/355).CCLS.) and thruster	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 06:02
–	12	(((166/355).CCLS.) and thruster) and riser	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 06:02
–	205	(166/355).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 06:05
–	3	((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv')) same (thruster or propulsion)	USOCR	2004/07/25 06:20
–	2	((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv')) same (thruster or propulsion)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 16:01
–	1101	((405/211) or (405/212) or (405/213) or (405/216)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 08:50
–	1098	(((405/211) or (405/212) or (405/213) or (405/216)).CCLS.) not ((166/355).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 07:38
–	963	((114/67a) or (114/67r)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 08:49
–	1079	((114/264) or (114/265)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 08:50

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–	1303	(((405/211) or (405/212) or (405/213) or (405/216)).CCLS.) or ((166/355).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 07:38
–	958	(((114/67a) or (114/67r)).CCLS.) not (((((405/211) or (405/212) or (405/213) or (405/216)).CCLS.) or ((166/355).CCLS.))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 07:41
–	2261	(((114/67a) or (114/67r)).CCLS.) or ((((405/211) or (405/212) or (405/213) or (405/216)).CCLS.) or ((166/355).CCLS.))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 07:39
–	2035	(((114/67a) or (114/67r)).CCLS.) or (((114/264) or (114/265)).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 08:48
–	4	(((((114/67a) or (114/67r)).CCLS.) not (((((405/211) or (405/212) or (405/213) or (405/216)).CCLS.) or ((166/355).CCLS.))) and riser	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 08:45
–	1647	((thrust$3 or propuls$4) near5 mov$5) near14 ((up and down) or vertical$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 08:49
–	4	(((((114/67a) or (114/67r)).CCLS.) or (((114/264) or (114/265)).CCLS.)) and (((thrust$3 or propuls$4) near5 mov$5) near14 ((up and down) or vertical$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 08:52
–	358	((thrust$3 or propuls$4) near5 (move or moveable or moving or moves or moved)) near14 ((up and down) or vertical$3)	USOCR	2004/07/25 08:49
–	433	((114/67a) or (114/67r)).CCLS.	USOCR	2004/07/25 08:49
–	215	((114/264) or (114/265)).CCLS.	USOCR	2004/07/25 08:50
–	648	(((114/67a) or (114/67r)).CCLS.) or (((114/264) or (114/265)).CCLS.)	USOCR	2004/07/25 08:50
–	0	(((thrust$3 or propuls$4) near5 (move or moveable or moving or moves or moved)) near14 ((up and down) or vertical$3)) and (((((114/67a) or (114/67r)).CCLS.) or (((114/264) or (114/265)).CCLS.))	USOCR	2004/07/25 08:51
–	1303	((405/211) or (405/212) or (405/213) or (405/216) or (166/355)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 08:51
–	278	((405/211) or (405/212) or (405/213) or (405/216) or (166/355)).CCLS.	USOCR	2004/07/25 08:51
–	1	(((thrust$3 or propuls$4) near5 (move or moveable or moving or moves or moved)) near14 ((up and down) or vertical$3)) and (((405/211) or (405/212) or (405/213) or (405/216) or (166/355)).CCLS.)	USOCR	2004/07/25 08:51
–	2	(((405/211) or (405/212) or (405/213) or (405/216) or (166/355)).CCLS.) and (((thrust$3 or propuls$4) near5 mov$5) near14 ((up and down) or vertical$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 08:52
–	1032	(((114/264) or (114/265)).CCLS.) not (((((114/67a) or (114/67r)).CCLS.) or ((((405/211) or (405/212) or (405/213) or (405/216)).CCLS.) or ((166/355).CCLS.)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 09:11
–	8	3553968.URPN.	USPAT	2004/07/25 09:23
–	0	((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv')) near9 (riser)	USOCR	2004/07/25 16:01

-	45	((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv')) near9 (riser)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/26 05:57
-	23160	(cutting or cutter) same ((ultra adj hard) or (tungsten adj carbide) or diamond)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 21:26
-	45591	continuous near3 layer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 21:27
-	1792920	substrate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 21:27
-	1154	substrate and (intermediate or transition) and (tungsten adj carbide) and ((ultra adj hard) or diamond)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 21:31
-	107	(continuous near3 layer) and (substrate and (intermediate or transition) and (tungsten adj carbide) and ((ultra adj hard) or diamond))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 21:34
-	21	substrate and (intermediate or transition) and (tungsten adj carbide) and ((ultra adj hard) or diamond)	USOCR	2004/07/25 21:32
-	15	(substrate and (intermediate or transition) and (tungsten adj carbide) and ((ultra adj hard) or diamond)) and (cutter or cutting)	USOCR	2004/07/25 21:33
-	66	((continuous near3 layer) and (substrate and (intermediate or transition) and (tungsten adj carbide) and ((ultra adj hard) or diamond))) and (cutting or cutter)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 21:40
-	0	substrate same (continuous adj layer) same (ultra adj layer) same (cutter or cutting)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/25 21:41
-	30	("3743489" | "3767371" | "4108614" | "4156329" | "4255165" | "4478298" | "4498549" | "4525179" | "4539018" | "4605343" | "4689919" | "4726718" | "4871377" | "4943488" | "5011509" | "5049164" | "5116568" | "5135061" | "5159857" | "5199832" | "5205684" | "5217081" | "5492188" | "5496638" | "5498480" | "5833021" | "5944129" | "6106957" | "6187068" | "6248447").PN.	USPAT	2004/07/25 21:42
-	0	6439327.URPN.	USPAT	2004/07/25 21:50
-	1079	(114/264-265).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/26 04:43
-	1101	((405/211) or (405/212) or (405/213) or (405/216)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/26 05:32
-	494	((166/355) or (166/367)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/26 05:34
-	122961	(("166") or ("405") or ("114")).CLAS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/26 05:42

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-	43372	(("166") or ("405") or ("114")).CLAS.	USOCR	2004/07/26 05:43
-	10	(((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv'))) and (405/$ or 114/$ or 166/$).ccls.	USOCR	2004/07/26 05:43
-	10	(((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv'))) and ((("166") or ("405") or ("114")).CLAS.)	USOCR	2004/07/26 05:47
-	59	(((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv'))) and ((("166") or ("405") or ("114")).CLAS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/26 05:48
-	45	((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv')) near9 (riser)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/26 05:57
-	196	(((((114/67a) or (114/67r)).CCLS.) or (((114/264) or (114/265)).CCLS.)) and riser	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/26 06:00
-	963	((114/67a) or (114/67r)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/26 06:00
-	370	((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv'))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/26 06:13
-	12	(((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv'))) same (smooth or smoothness)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/26 06:13
-	1695	((vortex adj induce adj vibration) or (vortex adj induced adj vibration) or ('vortex-induce' adj vibration) or ('vortex-induced' adj vibration) or (vortex-induce-vibration) or ('vortex-induced-vibration') or ('viv'))	USOCR	2004/07/26 07:57

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